

# SENSORS: Acceleration, Current Magnetic

Model	Power Supply		Range	Non	Align	Sensitivity	Sensitivity	Vnoise	Vnoise	Vnoise	Freq Resp.	Resonant	Noise	Noise	Noise	Model Designator		
	Vs	Is	g	Linearity	ment	@Vpr	@Vout	Densisty	@Vpr	@Vout	-3dB	Freq	Floor	Floor	Floor	Temp	#	Starting
	Volts	mA		% of FS	Error	mV/g	mV/g	mg/√Hz	mg rms	mg rms	C=22nF	Hz	BW=10Hz	BW=100Hz	BW=1KHz	Range	of	Price
					°							KHz				-40	-55	/100
<b>Single Axis</b>																		
ADXL05	+5	10	±5	.2typ	±1 typ	200	1000	1mg 4Hz to 1KHz	5 typ	1.6	1000	12	2	48	120	A	10	\$24.95
ADXL50	+5	13	±50	.2typ	±1 typ	19	ns	12mg 4Hz to 1KHz	66 typ	20 typ	800	24	80	400	1300	A	10	\$24.95
ADXL150	+5	3	±40or ±20	.2typ	±0.1 typ	38	ns	12mg 10Hz to 1KHz	na	ns	900	24	2	48	120	A	14	\$12.45
<b>Dual Axis</b>																		
ADXL150	+5	6	±40or ±20	.2typ	±0.1 typ	38	ns	12mg 10Hz to 1KHz	na	ns	900	24	2	48	120	A	14	\$19.95
<b>Evaluation Modules</b>																		
ADXL05EM1	+5	8	±4			500		5 mg DC to 100Hz										\$75.00
ADXL05EM3	+5	24	±4			500		5 mg DC to 100Hz										\$165.00
ADXL50EM1	+5	10	±25			80		130 mg DC to 400Hz										\$75.00
ADXL150EM1	+5	3.5	±10			200		10 mg DC to 100Hz										\$125.00
ADXL150EM3	+5	10	±10			200		10 mg DC to 100Hz										\$240.00
<b>Current Sensor</b>																		
Model	Power Supply		Cold Bulb	Comparator	Auto-	Auto-	Fuse									Model Designator		
	Vs	Is	Test	Threshold	Shutdown	Shutdown	Threshold									Temp	#	Starting
			Current		min	min										Range	of	Price
	Volts	mA	uA	mV	Volts	Volts	Volts									-40	-55	/100
AD22001	+5	5	30	2	9	36	4									A	20	\$6.39
<b>Magnetic Sensor</b>																		
Model	Power Supply		Sensitivity	Sensitivity	Non	Gain	Ratio	-3dB								Model Designator		
	Vs	Is	Min	Min	linearity	Error	Error	BW								Temp	#	Starting
						-40>130	to Vcc									Range	of	Price
	Volts	mA	mV/g	mV/g	%FS	%FS	V/Vcc	Hz								-40	-55	/100
AD22151	+5	10	2	6	0.25	0.75	1%	100								A	8	